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1. Editor's Note

Dear colleagues,

This newsletter summarizes the recent contributions I have received.

The goal of this newsletter is to integrate more and more women in control theory/applications development and to keep everybody posted on events, so if you come across interesting articles, useful information on web, that you think might be useful for our community, please feel free to contribute. As well please don't forget about job openings in your schools, companies, new books, journals, software releases, conferences, workshops, etc. Just drop me a line following my references below:

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2. Message from WiC Chair Anna-Maria Perdon

Dear colleagues,
the WiC luncheon meeting at the ACC'02 in Anchorage has been a success: 28 women although there was a conflict with other meetings and a special session on "Professional Growth .." that day. We had a great meeting and had a few things to celebrate:

- Anuradha Annaswamy and Marika Di Benedetto are now IEEE Fellows. Congratulations Anuradha! Congratulations Marika!
- Dawn Tilbury has been Plenary Speaker at the ACC'02. Congratulations Dawn!

Our next goal is to have a female Plenary Speaker at the CDC!

- Carolyn Beck has been nominated AE of the Transactions. Congratulations Carolyn!
- Françoise Lamnabhi-Laguarrigue and Anna Maria Perdon are candidates for election to the Control Systems Society Board of Governors. If elected, the

period of service would be January 1, 2003, through December 31, 2005. Give us your support!

In addition, there were more and more women involved in CSS activities and who organized, chaired and/or co-chaired sessions at the ACC'02 (some of whom could not come to our WiC meeting due to attending meetings and the special session).

The Control Systems Magazine of April 2002 is a special issue on History of control and contains a very interesting article on "Women in the Field of Control Systems", by N.Harris McClanroch and Bozenna Pasik-Duncan describing the important contributions given to the foundations of control by six women from all over the world.

About the luncheon in Anchorage, I realized that it was not very well advertised, so I went around inviting personally all women around.

Suggestions for future meetings:

- (1) Post one colorful sign at the registration bulletin board inviting all women to the WiC meeting, along with meeting room location and time.
- (2) Put in any women registration package the advertisement
- (3) Advertise the meeting in the conference home page.
- (4) we should think about sending an email invitation to the WiC meeting to all women authors in the conference. They may not all be on the WiC email list (ask for help the conference organizers?)

Attention: the BoG has decided to make an extra effort to augment the number of senior members. All of you who could apply for senior membership, please do. If you need recommendation letters, let us know. We must have the largest possible number of senior female members!!!!

The new WiC web site will be soon posted at:

<http://www.ieeecss.org/MAB/MABcommittee/Women/index.html>

I am working on organizing a joint IEEE CSS IFAC "Women in Control lunch" during the 15th IFAC World Congress in Barcelona. It could be a good occasion in which also "women in control" from Europe and from Asian and African countries could meet and

possibly join the Society.

Looking forward to see you all in Barcelona, all the best
Annamaria

3. Women awarded, contributed by Linda Bushnell

- Contributed by: John Baillieul, johnb@bu.edu

Bozenna Pasik-Duncan wins Univ. of Kansas Award

As CSS Vice President for Technical Activities, I am pleased to share the news that our newly appointed Chair of the Control Education Technical Committee has been awarded the first Frank B. Morrison Teaching Award at the University of Kansas. This university-wide award carries a cash component. Quoting from the citation

"This award recognizes your distinguished teaching, the profound impact you have made in the lives of your students, and how deeply you are valued as a faculty member in the College. Your excellence as an instructor is well noted by colleagues, faculty and students, which lends integrity, honor and distinction to his newly established award..."

I want to take this opportunity to publicly express congratulations to Bozenna.

- Contributed by: Linda Bushnell, bushnell@ee.washington.edu

I would like to congratulate IEEE CSS President-Elect Cheryl Schrader on her recent appointment to **Full Professor** at the University of Texas at San Antonio. Cheryl is also the College of Engineering Associate Dean for Graduate Studies and Research.

- Contributed by: Linda Bushnell, bushnell@ee.washington.edu

I would like to congratulate Dawn Tilbury again for being the first woman to win the AACC Donald P. Eckman Award, and hence the first to give the **Eckman Plenary** at the ACC'02 in Anchorage. I had to miss the plenary due to a CSS Executive Committee meeting, but heard from Abe Haddad that the plenary was "very forward thinking" and "controls for the future." The CSS History Committee video taped this plenary and tapes should be available in the near future through the IEEE History Center.

4. Open faculty positions in telecommunications

The Electrical and Computer Engineering Department at the University of Louisiana at Lafayette is continuing to accept applications for two endowed chairs in telecommunications. The starting date for these newly established positions is August 2002. The department currently grants an MS degree in Telecommunications, and the new faculty will be directly involved in the

advanced stages of planning for a Ph.D. degree in Telecommunications. The city of Lafayette is located along Interstate 10 between New Orleans and Houston and only 35 miles north of the Gulf of Mexico. The city of Lafayette is located in the center of Lafayette parish. Lafayette parish is located in the center of the Acadiana region known as the "Cajun Heartland" of the state. It includes the parishes of Acadia, Iberia, Evangeline, Lafayette, Vermilion, St. Mary, St. Martin and St. Landry. Lafayette is the focal point of this 8 parish metro-retail area of more than 600,000 people. It is the financial, service, medical, educational, cultural, energy, entertainment and consumer capital of Acadiana.

The formal advertisements for the positions can be found on the university web site at

<http://www.louisiana.edu>, and the department web site at

<http://engr.louisiana.edu/eece>. Please distribute this information to

anyone who may be interested in applying. Thank you.

Robert R. Henry

EECE Department Head

UL Lafayette, Louisiana

Email: henry@louisiana.edu

5. Message from former WiC Chair Fahmida Chowdhury

Greetings, WiC Members! I hope all of you are doing well. I could not attend the ACC this year, and I missed seeing many of you. I learned from Naira that the conference went very well - I hope those of you who attended the ACC enjoyed it very much.

Around the same time as the ACC, I invited Professor Ruth Bars from Budapest Technical University (Hungary) to deliver a series of five lectures to my research group at the University of Louisiana, Lafayette. Ruth visited us from May 06 to May 16. Most of the funding was from one of my research grants; the Dean of Engineering and the Vice President for Research helped with some extra funds. It was very exciting to have Ruth here. Her lectures were on Predictive Control, and included MATLAB/SIMULINK exercises. She is a great lecturer - my students learned a lot from her. The best part is, Ruth and I originally met (in 1998) through this WiC newsletter. I was going on a trip to Hungary, and Csilla Banyasz (whom I have not met yet) invited me to present a talk at the Hungarian Academy of Sciences; Csilla herself would be out of the country at that time, but Ruth volunteered to take me around and basically, play host to me in Budapest. I got to know Ruth as an excellent scholar and teacher. Through Ruth, I later met Prof. Sirkka-Liisa Jamsa Jounela of the Helsinki University of Technology (Finland) and Prof. Josef Shinar of the Technion (Israel). Going back to Ruth's visit: it was a great experience for us at the university, and my students benefited from her lectures very much. All of us are grateful to Ruth for sharing with us her knowledge, time, and expertise.

The reason I wrote this short article for the WiC Newsletter is this: our network can do wonderful things for us, and I want to share this with all of you. I hope that connections made through WiC can enrich the professional and

personal lives of all of us.

6. WiC Statistics, contributed by IEEE Secretary-Administrator Linda Bushnell

IEEE CSS has 572 women members, with the following breakdown:

Student members - 162

Associates - 87

Members - 286

Senior Members - 31

Fellows - 6

7. WiC mailing list update, contributed by Dawn Tilbury

The list currently has 190 members. If you have an announcement to send to the list, you can address your email to women-in-control@umich.edu and it will automatically be forwarded to everybody.

The following email addresses have at least three bounced messages, and have been removed from the list. If you know any of these people, please forward this message to them and ask them to email me if they want to get back on the list. Thanks!

cgalzarza@voyan.com

glipane@msn.com

hoffman_maryjo@src.honeywell.com

jeatwell@vt.edu

kyin@ub.d.umn.edu

lbarroso@civill.tamu.edu

magoodha@eos.ncsu.edu

osipchuk@ima.umn.edu (forwarded to mosipchuk@carlson.com)

wangl@ecf.utoronto.ca

yzhang@eos.ncsu.edu

A breakdown of the members by domain is as follows. After the US, the most popular countries for "women in control" are Canada with 10 and Italy with 9.

74 edu Educational

29 com Commercial

10 ca Canada

9 it Italy

8 gov US Government

6 uk United Kingdom

5 fr France

5 org Organizations

4 jp Japan

3 cn China

3 de Germany

3 nl Netherlands

3 no Norway

3 se Sweden
3 tr Turkey
2 by Belarus
2 hu Hungary
2 mx Mexico
2 net Networks
1 au Australia
1 at Austria
1 ee Estonia
1 fi Finland
1 is Iceland
1 in India
1 il Israel
1 pl Poland
1 ru Russia
1 sk Slovakia
1 za South Africa
1 ch Switzerland
1 mil US Military
1 yu Yugoslavia

I also put together some historical data on the list. Based on my sporadic record keeping, here are the numbers of women on the mailing list:

# members	Date
130	Nov. 1996
150	Jan. 1998 (approx.)
173	May 1999
153	Aug. 1999
231	May 2000
172	Feb. 2001
186	Nov. 2001
190	May 2002

Also, if your email address is changing, be sure to let me know. My email address is women-in-control-request@umich.edu or tilbury@umich.edu. You can also update your information in the Women-in-Control Database by contacting the database coordinator, Dawn Roberson, at robersondj@ieee.org.

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8. Control Education Activities, contributed by Bozenna Pasik-Duncan

INVITATION TO JOIN ME IN CONTROL EDUCATION ACTIVITIES

Dear Friends,

it was so nice to see many of you at the ACC in Alaska.

It was so nice to observe that women are on almost all Society's committees and Program and Organizing Committees for major conferences.

I saw 6 women attending the Board of Governors Meeting...

The situation has changed dramatically during the last 19 years of my stay

in States...

Today we celebrate 19th Wedding Anniversary... 19 years in the mixed culture marriage...

many differences, many difficult moments... and I am happier now than ever before...

12 years of continuous work for the Society in different capacities ,

work that made me stronger and happier at my place of work,

I am grateful to each member of the Society, " Gratitude is the heart's

memory" (thank you), I have started to contribute to the Society as a new chair of the Technical Committee on Control Education this year and I am very enthusiastic about it.

I COUNT ON EACH OF YOU !

I have formed a new committee. Up to now I have 3 (!!!) members only but

I started with people who truly want to work and will make a change. I

oppose to large committees with members who have no time to attend meetings

or contribute on regular basis.

THE DOOR IS OPEN FOR EACH OF YOU! YOU ARE THE FIRST TO BE INVITED!

I will reach out to all (over 400) of the former members and invite

them to work with us, making my goals clear to new members. Additionally, I will be looking for

others and

I ASK YOU TO HELP ME TO IDENTIFY and SELECT some others as well.

(The following is the summary, submitted to me by John Westman, a member

of the TC on Control Education, of the first discussion on control

activities in which some members of the TC on Control Education, Chris,

John, Floyd, Kishan and Molly , participated.)

This will lead to work that we need to do for the next ACC and CDC conferences. First of all, let me share with you that Dr. Kishan Baheti,

NSF Program Director expressed interest in providing a support for a

workshop for teachers on the first day of the ACC 2003 conference.

This is great news. It will allow us to follow up with the workshop from

Chicago, June 2000 (for more information about that workshop visit

http://www.math.ku.edu/ksacg/nsf_hswkshop.html) .

The workshop would start with the attendees going to the first plenary

talk. This we think would set a great tone for the workshop. Following

this we need to arrange the rest of the workshop.

We have been considering a number of things that should be involved with the

TC, and we are convinced that we cannot do our work effectively without a

complete picture of those who work in control. Namely we need to make

sure that all aspects from industry, academia all disciplines from high schools

through PhD, and governments on all levels are involved in a multinational

effort. With this in mind we need to think about presentations that can

be given to flesh out the wonderful world of control. We think we should select 2 or 3

speakers

from a few areas to give presentations on a wide spectrum of applications.

We would like to express that the theoretical aspect of control may not

lend itself, in general, to easy application to these teachers and their

students. Some suggestions that we have are the following:

Biological and Chemical controls:

Control of Diabetes and for chemical processes or bioreactors. These are

very interesting and can lead to collaboration to explore various other

topics similar in nature for those in math, biology, and chemistry. We think the plenary talk would go well with those in physics.

Industrial Applications:

We think these applications would best be selected to meet the students' interests. To me the 2 best areas would be automobiles and cell phones. We believe that Ilya Kolmanovsky, Ford Research Laboratory and this years Donald P.Eckman Award winner, would be a great speaker for the area of "control in cars" and has expressed a willingness to give a presentation. We can find my former students working at Sprint Cop. who would be suitable to "control in communications" presentation?

Demonstrations:

We think it would be a great idea to have 2 demonstrations. It is essential that we have Matlab Demonstration. This software which is not that expensive can be used in classrooms and would go great distances to integrate technology in the classroom that can be used with control applications in a large spectrum of course work. Additionally, we should seek out a company to give a physical demonstration like Quanser. We think this would be beneficial in the sense that this would give a very concrete visual demonstration that the teachers can easily identify the aspects of control.

PLEASE join me in these forthcoming events. Respond to my call by sharing your thoughts on this kind of activities. Tomorrow I am going to visit the NSF and talk about control education for school students and their teachers. We will talk with Applied Math and Engineering Divisions. We will work on making stronger bridges between those two. I ASK each of you to submit at most one page essay on control activities at your place.

I will post them on our web page :

<http://www.ieeecss.org/TAB/Technical/education/links.html>

Thank you.

I would like to take the opportunity and wish you very beautiful and productive summer.

I hope to see you at conferences this summer...

With my very best wishes to you and your families - Bozena

9. NSF opportunities, contributed by Alison Flatau

Dear Colleague:

The Civil and Mechanical Systems (CMS) Division of NSF currently has vacancies for Program Managers in three Research Program areas, and for a Program Manager to serve as the Equipment Project Coordinator for the George E. Brown, Jr. Network for Earthquake Simulation (NEES). Program Managers are needed for:

The Structural Systems and Hazards Mitigation of Structures (SSHM) Program

The Dynamic System Modeling, Sensing and Control (DSMSC) Program

The Solid Mechanics and Materials Engineering (SMME) Program

Information on these positions can be found at:

<http://www.nsf.gov/cgi-bin/getpub?eng020411>
<<http://www.nsf.gov/cgi-bin/getpub?eng020411>>

Information on the NEES position can be found at:

<http://www.nsf.gov/cgi-bin/getpub?eng020412>
<<http://www.nsf.gov/cgi-bin/getpub?eng020412>>

The position of Division Director is also being advertised. Information on this position can be found at:

<http://www.nsf.gov/cgi-bin/getpub?s20020088ipa>
<<http://www.nsf.gov/cgi-bin/getpub?s20020088ipa>>

We need your help in identifying highly qualified candidates for all of these

positions. The link to the CMS web page is <http://www.eng.nsf.gov/cms/>
<<http://www.eng.nsf.gov/cms/>> Descriptions of all the Research Programs and the George E. Brown, Jr. Network for Earthquake Simulation (NEES) can be found there.

I expect that you know of colleagues who would be good candidates, or may yourself wish to be considered for one of the positions. Please send the names and contact information for those you wish to nominate to me (Dr. Richard Fragaszy, rfragasz@nsf.gov <<mailto:rfragasz@nsf.gov>> , 703-292-7011) or to the Division Director, Dr. Priscilla Nelson (pnelson@nsf.gov <<mailto:pnelson@nsf.gov>> , 703-292-7018). If you wish to apply for one of the Program Director positions yourself, please send an e-mail to me indicating which position you wish to be considered for, and attach your vita.

These positions are not limited to individuals who currently hold academic positions, so think about anyone you might know in industry or in a government job as well as faculty members. The CMS Division needs highly qualified individuals to manage existing programs and to expand the grant opportunities we provide for Civil, Mechanical and related engineering disciplines. We all benefit from having well qualified, enthusiastic staff in CMS.

Please feel free to contact me if you have any questions.

Best regards,

Richard Fragaszy

Dr. Richard J. Fragaszy, P.E. Next Deadlines for Proposals:

Program Manager OCT 7, 2002 & FEB 7, 2003

Geomechanics and Geotechnical Systems

Civil & Mechanical Systems Division

National Science Foundation

4201 Wilson Blvd., Room 545

Arlington, VA 22230

703-292-7011 (V) 703-292-9053 (Fax) 703-292-8360 (Division Main Number)

http://www.eng.nsf.gov/cms/About_CMS/GHS/ghs.htm

<http://www.eng.nsf.gov/cms/About_CMS/GHS/ghs.htm>

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